

### Abstract

A microarray of polymeric biomaterials is provided. Specifically, a microarray of polymeric biomaterials that comprises a base with a cytophobic surface, and a plurality of discrete polymeric biomaterial elements bound to the cytophobic surface, is provided. Preferably said polymeric biomaterials comprise a synthetic polymer. Said polymeric biomaterials may also comprise other compounds covalently or non-covalently attached to said synthetic polymer. Methods of preparing the microarray of polymeric biomaterials of the present invention and uses of the microarray of polymeric biomaterials of the present invention are also provided.